

U.S.S.N. 10/767,657

Remarks

Thorough examination and careful review of the application by the Examiner is noted and appreciated.

The indication by the Examiner that claims 8,9,26, and 36 will be allowable if rewritten to overcome the rejections under sections 112 set forth in the office action and to include all limitations of the base claim and any intervening claims further acknowledge and appreciated by the applicants.

The indication by the Examiner that claims 23,-24,28, and 30-31 are objected to as being dependent on a rejected base claim, but would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims is further acknowledged and appreciated by the applicants.

Claims 1, 4,6-20,22-26, and 28-34 are pending in the application.

Claims 8,22,33-34 are cancelled and withdrawn from further consideration by the Examiner.

Claim1, 9,16,and 26 are amended.

Claims 1-20-25,26,29 and 32-34 are rejected.

Objections to the claims

Claims 1 and 33 are objected to due to typographical errors.

U.S.S.N. 10/767,657

Claim 1 has been amended to correct the typographical error and to alleviate the Examiner's objections.

Claim 33 has been cancelled and withdrawn from further consideration by the Examiner.

Claim rejections under 35 USC 112

Claims 1-4,6-15,26 and 32 are rejected under 35 USC section 112, second paragraph, as been indefinite for failing to particularly point out and distinctly claim the subject which applicant regards as the invention.

The recitation of the limitation of "said plurality" is objected to as being not clear.

The applicants have made all necessary changes to alleviate the Examiner's rejection. The dependency of claim 26 has also been corrected to overcome the informality.

Claim rejection under 35 USC 103(a)

Claims 1-4,6,12,16,19,20,25,29,33 and 34 are rejected under 35 USC 103(a) as been unpatentable over kim'937.

Claim 1 has been amended to further recite the limitations contained in claim 8, which is now cancelled. The newly amended independent claim 1 is therefore equivalent to claim 8 being rewritten into independent form to include all the limitations

U.S.S.N. 10/767,657

contained in base claim 1, which the Examiner has indicated would be allowable. A reconsideration for allowance of the newly amended independent claim 1 and its dependent claims 2-4,6 and 12 is therefore respectfully requested of the Examiner.

Independent claim 16 has been amended to further recite the limitations contained in claim 22, which is now cancelled as a result. The newly amended independent claim 16 is therefore equivalent to claim 22 being rewritten into independent form to include all the limitations contained in the base claim 16, which the examiner has indicated would be allowable. A reconsideration, for allowance of the newly amended independent claim 16 and its dependent claims 19,20,25, and 29 is respectfully requested of the Examiner.

Claim rejections under 35 USC 103(a)

Claims 7 and 10 are rejected under 35 USC 103(a) as being unpatentable over Kim et al in view of Ahn et al 607.

Claims 7 and 10 depend on independent claim 1 directly and indirectly. Claims 7 and 10 are therefore likewise allowable and a reconsideration for their allowance is respectfully requested of the Examiner.

Claim 11 is rejected under 35 USC 103(a) as being unpatentable over Kim and Cui 050.

U.S.S.N. 10/767,657

Claim 11 indirectly depends on the newly amended independent claim 1, which is now allowable. A reconsideration for allowance of claim 11 is therefore respectfully requested of the Examiner.

Claims 14,15,17 and 18 are rejected under 35 USC 103(a) as being unpatentable over Kim et al and Ishitsuka et al 323.

Claims 14 and 15 depend on the newly amended independent claim 1, while claims 17 and 18 depend on the newly amended independent claim 16. The applicants have clearly shown that the newly amended independent claim 1 and 16 are now allowable. A reconsideration for allowance of the dependent claims 14,15,17 and 18 is respectfully requested of the Examiner.

Based on the foregoing, the applicants respectfully submit that all the pending claims, ei claims 1-4,6-7,9-20,23-26 and 28-32 are now in condition for allowance. Such favorable action by the Examiner at an early date is respectfully solicited.

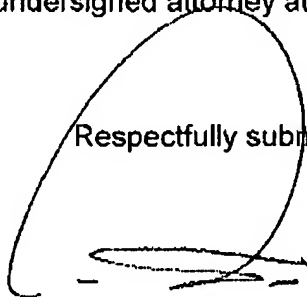
U.S.S.N. 10/767,657

Conclusion

On the basis of the above amendments and remarks, reconsideration of this application, and its early allowance, are respectfully requested.

Any inquiries relating to this or earlier communications pertaining to this application may be directed to the undersigned attorney at 248-540-4040.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Randy W. Tung', is written over a horizontal line. A large, loopy circular flourish extends from the top of the signature, looping back up and around the text 'Respectfully submitted,'.

Randy W. Tung (Reg. No. 31,311)